

Human Fibroblast Growth Factor 5 (FGF5) ELISA Kit | FGF5 elisa kit

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CATALOG #
AAA20615

REACTIVITY
Human

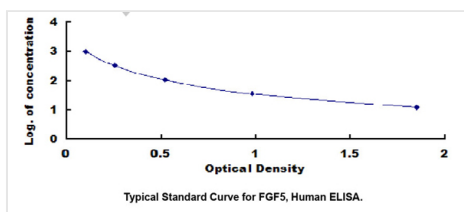
PRODUCT SYNONYMS

Fibroblast Growth Factor 5 (FGF5); Human Fibroblast Growth Factor 5 (FGF5) ELISA Kit; FGF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FGF5. No significant cross-reactivity or interference between FGF5 and analogues was observed.
Sequence Length	268
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	12.35-1,000pg/mL
Sensitivity	< 4.99pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FGF5 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FGF5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF5 elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to FGF5 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled FGF5 and unlabeled FGF5 (Standards or samples) with the pre-coated antibody specific to FGF5. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of FGF5 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of FGF5 in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of FGF5 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for FGF5 elisa kit	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	182545
NCBI GeneID	2250
UniProt Accession #	P12034; O75846; Q3Y8M3; Q8NF90; B2R554
Molecular Weight	13,006 Da
NCBI Official Full Name	fibroblast growth factor 5
NCBI Official Synonym Full Names	fibroblast growth factor 5
NCBI Official Symbol	FGF5
NCBI Official Synonym Symbols	HBGF-5; TCMGLY; Smag-82
NCBI Protein Information	fibroblast growth factor 5; heparin-binding growth factor 5
UniProt Protein Name	Fibroblast growth factor 5
UniProt Gene Name	FGF5
UniProt Synonym Gene Names	FGF-5; HBGF-5
UniProt Entry Name	FGF5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/fibroblast-growth-factor-5-fgf5/20615>